

WHAT IS CLAIMED IS:

1. An information recording method for recording data on a write-once recording medium, comprising the steps of:

recording information corresponding to a position of a recorded area on the recording medium on the recording medium, and

when the information corresponding to the position of the recorded area is updated, newly recording the information on the recording medium at predetermined timing.

2. The information recording method according to claim 1, wherein

as the information corresponding to the position of the recorded area, information on a predetermined number of areas can be recorded, and wherein

the recorded areas are recorded as discrete areas with the predetermined number as a limitation.

3. The information recording method according to claim 1, wherein the information is physical address information on the recording medium, recorded as a recording start address and a recording end address.

4. A recording apparatus, having a pickup, a signal processing circuit for signal processing accompanying

recording and an interface for data input and output,  
for recording data on a write-once recording medium,

wherein information corresponding to a position of  
a recorded area on the recording medium is read from the  
recording medium by the pickup, and

wherein the information corresponding to the  
position of the recorded area is stored on a nonvolatile  
memory.

5. The recording apparatus according to claim 4,  
wherein

when the information corresponding to the position  
of the recorded area is updated, an update flag  
indicating that the information has been updated is set  
in the nonvolatile memory and the information  
corresponding to the position of the recorded area is  
recorded on the recording medium at predetermined timing,  
and

when recoding is completed, the update flag is  
reset.

6. A recording apparatus, having a pickup, a signal  
processing circuit for signal processing accompanying  
recording and an interface for data input and output,  
for recording data on a write-once-read-many recording  
medium,

wherein information corresponding to a position of

a recorded area on the recording medium is read from the recording medium by the pickup, and when the information corresponding to the position of the recorded area is updated, error data is generated in a particular position indicating that the information has been updated.

7. The recording apparatus according to claim 6, wherein as the error data in the particular position, error data is generated in a particular portion of the information corresponding to a position of a recorded area previous by twice of recording on the recording medium.

8. An information recording method for recording data on a write-once recording medium, comprising the steps of

recording information corresponding to a position of a recorded area on the recording medium on the recording medium, and

when the information corresponding to the position of the recorded area is updated, newly recording the information on the recording medium at predetermined timing,

wherein when data is additionally recorded on the recording medium, a recording direction flag indicating an address of recording is in an incremental direction

or in a decremental direction is included in the data.

9. The information recording method according to claim 8, wherein the recording direction flag is included in a sector identification signal added in sector unit to the data.

10. The information recording method according to claim 8, wherein the data corresponds to at least two types of synchronizing signals, and wherein the recording direction flag corresponds to the synchronizing signals of the data.

11. An information recording method for recording data on a write-once recording medium, comprising the steps of

recording information corresponding to a position of a recorded area on the recording medium on the recording medium, and

when the information corresponding to the position of the recorded area is updated, newly recording the information on the recording medium at predetermined timing,

wherein when data is additionally recorded on the recording medium, a retrieval flag indicating whether or not an area with an address smaller than that of recording start area by 1 is a recorded area is included.

12. The information recording method according to claim 11, wherein the retrieval flag is included in a sector identification signal added in sector unit to the data.

13. The information recording method according to claim 11, wherein the data corresponds to at least two types of synchronizing signals, and wherein the retrieval flag corresponds to the synchronizing signals of the data.

14. The information recording method according to claim 11, wherein the same retrieval flag is added by a series of recording of the data.

15. The information recording method according to claim 1, wherein the information includes information corresponding to a start address or an end address of a management area on the recording medium.